

## Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	A proton is about 1840 time than an electron. When it is accelerated by a potential difference of 1 kV, its kinetic energy will be:	A. 1884 keV B. 1/1840 keV C. 1 keV D. 920 keV
2	Mass equivalent of 931 MeV energy is:	A. $6.02 \times 10^{-23}$ kg B. $1.766 \times 10^{-27}$ kg C. $2.67 \times 10^{-29}$ kg D. $6.02 \times 10^{-87}$ kg
3	At resonance, the behavior of R-L-C series circuit is.	A. Resistive B. Capacitive C. Inductive D. Modulative
4	An expression for gain of an inverting amplifier is	C. $(R_1/R_2)$ D. None of these
5	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
6	Which consumes small power.	A. Inductor B. Resistor C. Motor D. All of these
7	Electro magnetic waves emitted from radio antenna are.	A. Stationary B. Longitudinal C. Transvers D. Both a and b
8	A galvanometer is an electrical instrument used to	A. Measure resistance B. Measure voltage C. Detect passage of current D. None of these
9	The radioactive decay obeys the law	
10	$A^\circ$ is the unit of:	A. Energy B. Length C. Nuclear energy D. Work
11	The number of lines per unit area passing perpendicular through an area is called	A. Flux B. Electric intensity C. Both (a) , (b) D. None of these
12	The galvanometer can be made sensitive by making the factor BAN/C	A. Large B. Small C. Constant D. Zero
13	$X_L$ is low for low frequency $F$ but $X_C$ is.	A. Zero B. Low C. High D. Same as $H$
14	The quantity/factor $h/m_0c$ has the dimensions of.	A. Length B. Time C. Mass D. Energy
15	The induced emf in a coil is proportional to:	A. Magnetic flux through the coil B. Rate of change of Magnetic flux through the coil C. Area of the coil D. Product of magnetic flux flux and area of the coil
16	Who explained the photo electric effect.	A. Max Plank B. Einstein C. ...

17 Wave nature of particle was given by:

- A. Clemensen
- B. Louis de Broglie**
- C. Laster H. Germer
- D. Clinton S. Davisson

18 the substances in which the atoms do not form magnetic dipoles are called.

- A. Diamagnetic
- B. Para magnetic
- C. Ferro magnetic
- D. Crystal**

19 In Wilson cloud chamber, if tracks are thick, straight and continuous, then particle is

- A.  $\alpha$ -particles**
- B.  $\beta$ -particles
- C. Y-rays
- D. All

20 A capacitor is perfectly insulator for:

- A. Direct current**
- B. Alternating current
- C. Direct as well as alternating current
- D. None of these